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TITLE: Dual laser beam system, using one f-theta lens
after
dividing laser beam into two beams

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PATENT-ASSIGNEE: EO TECHNICS CO LTD[EOTEN]

PRIORITY-DATA: 2004KR-0086563 (October 28, 2004)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
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KR 2006037568 A	May 3, 2006	N/A
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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KR2006037568A	N/A	2004KR-0086563
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INT-CL (IPC): H01S003/10

ABSTRACTED-PUB-NO: KR2006037568A

BASIC-ABSTRACT:

NOVELTY - A dual laser beam system is provided to decrease a distortion by enabling a dual laser beam to be incident on a central axis of f-theta lens.

DETAILED DESCRIPTION - A beam splitter (116) splits a polarizing laser beam from a laser oscillator (110) into first and second polarizing laser beams. A phase plate (120) converts a polarizing direction of the second polarizing laser beam to have a phase difference of 90 degrees from the first polarizing laser beam by rotating a polarizing direction of the second

polarizing laser
beam at 90 degrees. A first galvano scanner (130) polarizes a
propagation
direction of the first laser beam with two mirrors. A second galvano
scanner
(140) polarizes a propagation direction of the second laser beam with
two
mirrors. A polarizing beam splitter (150) penetrates the first laser
beam, and
reflects the second laser beam. An f-theta lens (160) adjusts a
focus distance
of the first and second laser beams which penetrate the polarizing
beam
splitter (150).

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: DUAL LASER BEAM SYSTEM ONE THETA LENS AFTER DIVIDE LASER
BEAM TWO
BEAM

DERWENT-CLASS: V07 V08

EPI-CODES: V07-G04; V07-G11; V07-K03; V08-A08;

